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means for obtaining a dispersion in pulse-width modulation of said plurality of laser driving signals and correcting said plurality of laser driving signals according to this dispersion.

14. (Amended) An image recording device as claimed in claim 1, further comprising:

a printer engine for scanning with a plurality of laser beams having different phases for printing image data;

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wherein said pulse-width modulator unit is equipped with a plurality of pulse generating means for modulating the pulse-width of said image data with a pulse-width determined by a combination of a plurality of delay elements for each beam and outputting the pulses as print data from said pulse generating means, to said printer engine; and

a pulse-width corrector which compares the pulse-widths output from said plurality of pulse generating means by the reference pulse-width and corrects pulse-widths by a combination of said delay elements in said plurality of pulse generating means according to pulse-width differences.

15. (Amended) An image recording device as claimed in claim 1, further comprising:

a printer engine for scanning a photosensitive unit by a plurality of laser beams having different phases for printing image data;

wherein said pulse-width modulator unit is equipped with a plurality of pulse generating means for setting a pulse-width by a combination of a plurality of delay elements, modulating the pulse-width of said image data with said preset pulse-

width, and outputting the result print data to said printer engine;

synchronization limiting means for synchronizing the pulse width modulation with said plurality of pulse generating means; and

a pulse-width corrector which corrects the pulse-width which is set by said delay elements for each pulse generating means so that each pulse-width output by said plurality of pulse generating means may be equal to the reference pulse-width in synchronization.

16. (Amended) An image recording device as claimed in claim 1, further comprising:

a printer engine for scanning a photosensitive unit by a plurality of laser beams having different phases for printing image data;

wherein said pulse-width modulator unit is equipped with a plurality of pulse generating means for setting a pulse-width by a combination of a plurality of delay elements, modulating the pulse-width of said image data with said preset pulse-width, and outputting the result as print data to said printer engine,

synchronization limiting means for synchronizing the pulse width modulation with said plurality of pulse generating means, and

a pulse-width corrector which corrects the pulse-width which is set by said delay elements for each pulse generating means with a pulse width selected (as a reference pulse-width) from pulses output from said plurality of pulse generating means in synchronization so that each pulse-width output by said plurality of pulse generating means may be equal to the reference pulse-width.

17. (Amended) An image recording device as claimed in claim 1, further comprising:

a printer engine for scanning a photosensitive unit by a plurality of laser beams having different phases for printing image data;

wherein said pulse-width modulator unit is equipped with a plurality of pulse generating means for setting a pulse-width by a combination of a plurality of delay elements, modulating the pulse-width of said image data with said preset pulse-width, and outputting the result as print data to said printer engine;

synchronization limiting means for synchronizing the pulse width modulation with said plurality of pulse generating means;

correction image data generating means for giving image data for correction to said plurality of pulse generating means in synchronization of said plurality of pulse generating means; and

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a pulse-width corrector which corrects the pulse-width which is set by said delay elements for each pulse generating means with a pulse width selected as a reference pulse-width from pulses output from said plurality of pulse generating means in synchronization so that each pulse-width output by said plurality of pulse generating means may be equal to the reference pulse-width.

18. (Amended) An image recording device as claimed in claim 1, further comprising:

a printer engine having a beam detector for detecting a plurality of laser beams which are emitted at preset time intervals from laser sources, scanning a photosensitive unit with said plurality of laser beams, and thus printing image data;

wherein said pulse-width modulator unit is equipped with a plurality of pulse

generating means for modulating the pulse-width of said image data with a pulse-width set by a plurality of serially-connected delay elements and outputting the modulated pulses to said printer engine;

printer interface means for generating image clocks in synchronism of beam detection signals output from said beam detector;

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pixel clock selecting means for selecting said pixel clock in pulse-width correction and outputting the selected clock to said plurality of pulse generating means to synchronize pulse-width modulation with said plurality of pulse generating means; and

a pulse-width corrector which corrects the pulse-width which is set by said delay elements for each pulse generating means so that each pulse-width output by said plurality of pulse generating means may be equal to the reference pulse-width.
